

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 April 2005 (21.04.2005)

PCT

(10) International Publication Number
WO 2005/036389 A3

(51) International Patent Classification:
G06F 17/22 (2006.01) *G06F 17/27 (2006.01)*

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

(21) International Application Number:
PCT/GB2004/004275

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(22) International Filing Date: 7 October 2004 (07.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0323442.4 7 October 2003 (07.10.2003) GB
0323439.0 7 October 2003 (07.10.2003) GB
0323440.8 7 October 2003 (07.10.2003) GB

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
16 February 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

(54) Title: METHOD AND APPARATUS FOR HANDLING TEXT AND BINARY MARK UP LANGUAGES IN A COMPUTING DEVICE

(57) Abstract: A client can operate with a parser or generator for both text (e.g. XML) and binary (e.g. WBXML) mark up languages; the client uses a unique integer value that can be interpreted in an index of elements, attributes and attribute values needed to describe a particular type of mark-up document, the index maps that unique integer value not only (a) to a token associated with predefined element, attribute or attribute value to enable a token based mark up language to be handled but also (b) to a string associated with a predefined element, attribute or attribute value to enable to enable a string based mark up language to be handled. This greatly simplifies the implementation of clients. Further, clients that require parsing of different mark-up languages will require less memory, as they will communicate with only one common API to parse both binary and text mark-up languages. Also, clients will not need to know what the source document is (i.e. text or binary) as the APIs are the same.

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